Docket No. 1083.1009-CD/JCG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Takayuki SUGIURA et al. Group Art Unit: 2722

Serial No.: TBA Examiner: D. POPOVICI

Filed: January 11, 2000

For: PRINTING APPARATUS AND PRINTING CONTROL METHOD AND CHARACTER FONT PATTERN CONTROL METHOD IN PRINTING APPARATUS

LETTER TO THE EXAMINER REQUESTING APPROVAL OF CHANGES TO THE DRAWINGS

(3/11/03)

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Please approve the corrections in the figures of the drawings of the subject application, as indicated by red ink handwritten annotations on the attached copies thereof herewith.

In FIGS. 2, 7, 8, 10A, 10B, 10C, 14C and 16C. In FIGS. 11A and 12, please change "cue" to --queue-- in each occurrence.

REMARKS

The foregoing drawing changes, on the whole, correct typographical errors thereby to satisfy drawing requirements of the rules consistent with amendments to the specification in the concurrently filed Amendment for improved correlation of the drawings with the specification but without the addition of new matter.

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Approval of the foregoing drawing changes is respectfully requested.

Respectfully submitted,

STAAS & HALSEY

Date: 1-11-00

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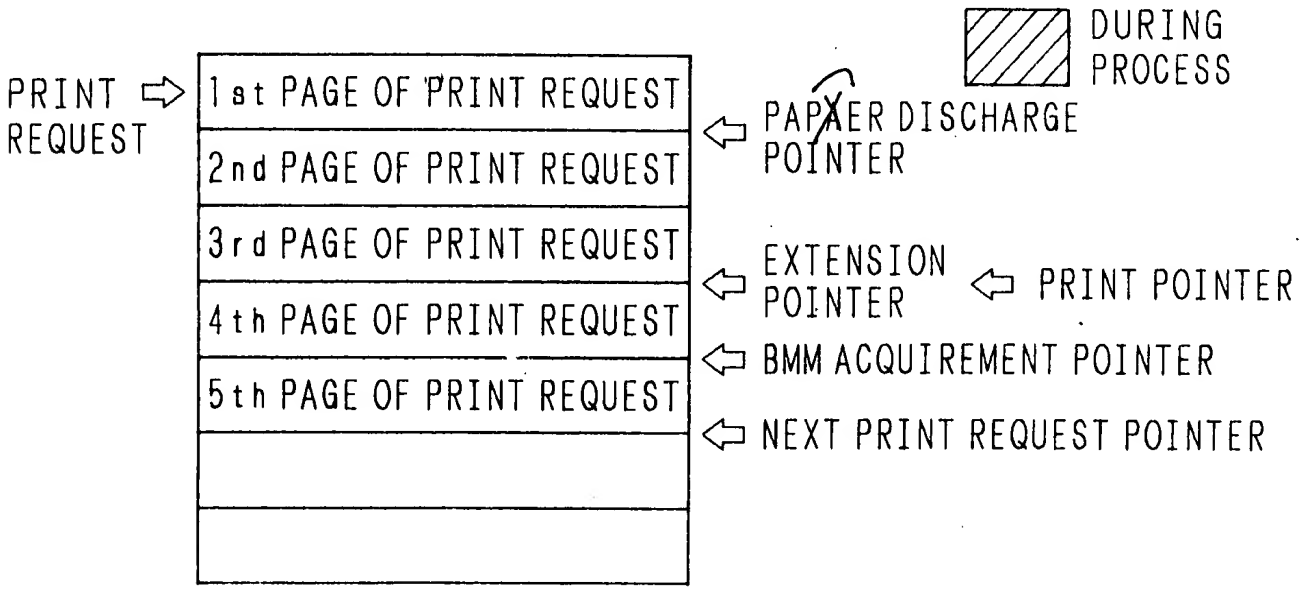
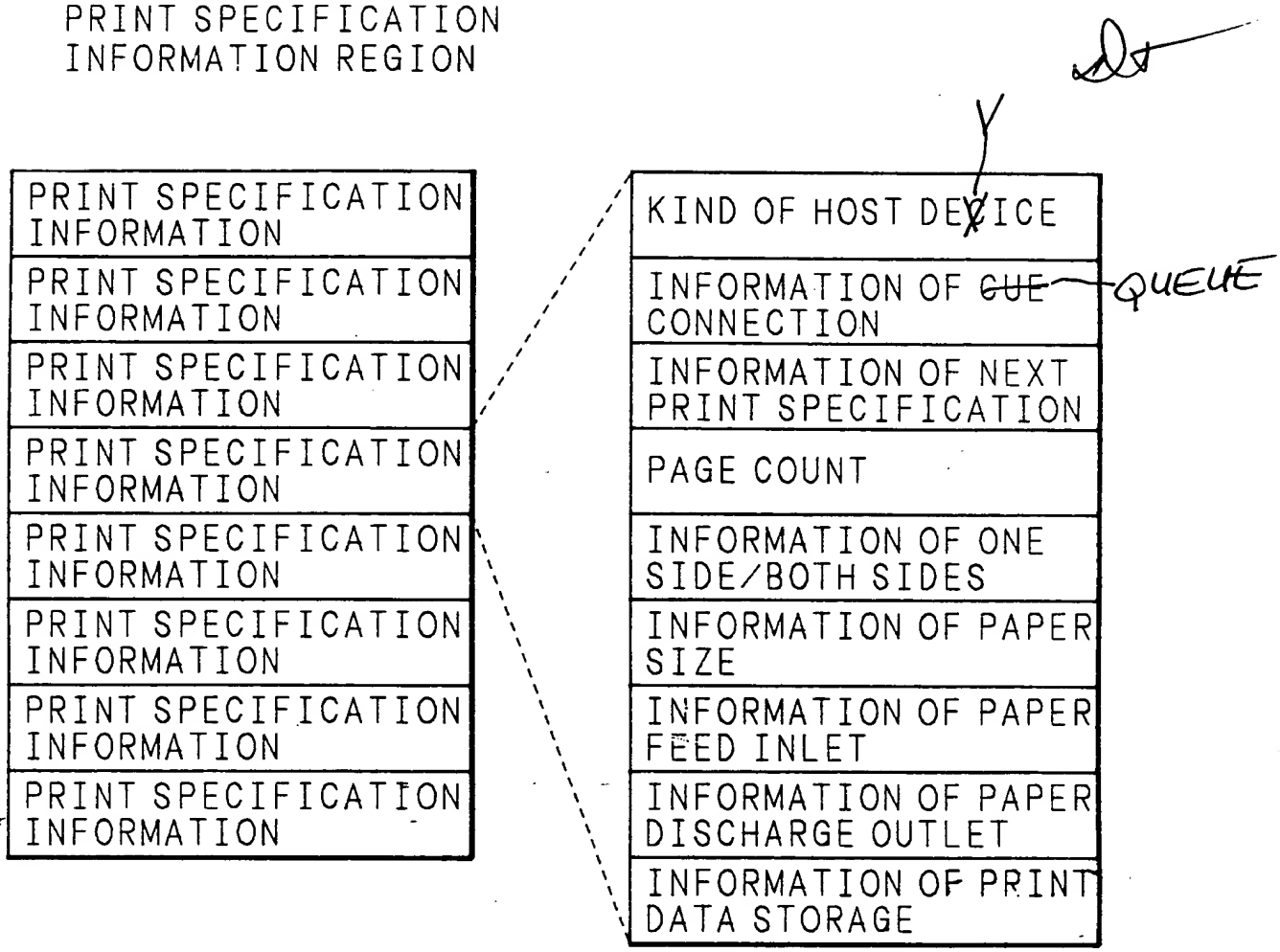
09474050.070100

FIG. 2
PRIOR ART



09480694.011100

FIG. 7



0960804-011100

FIG. 8

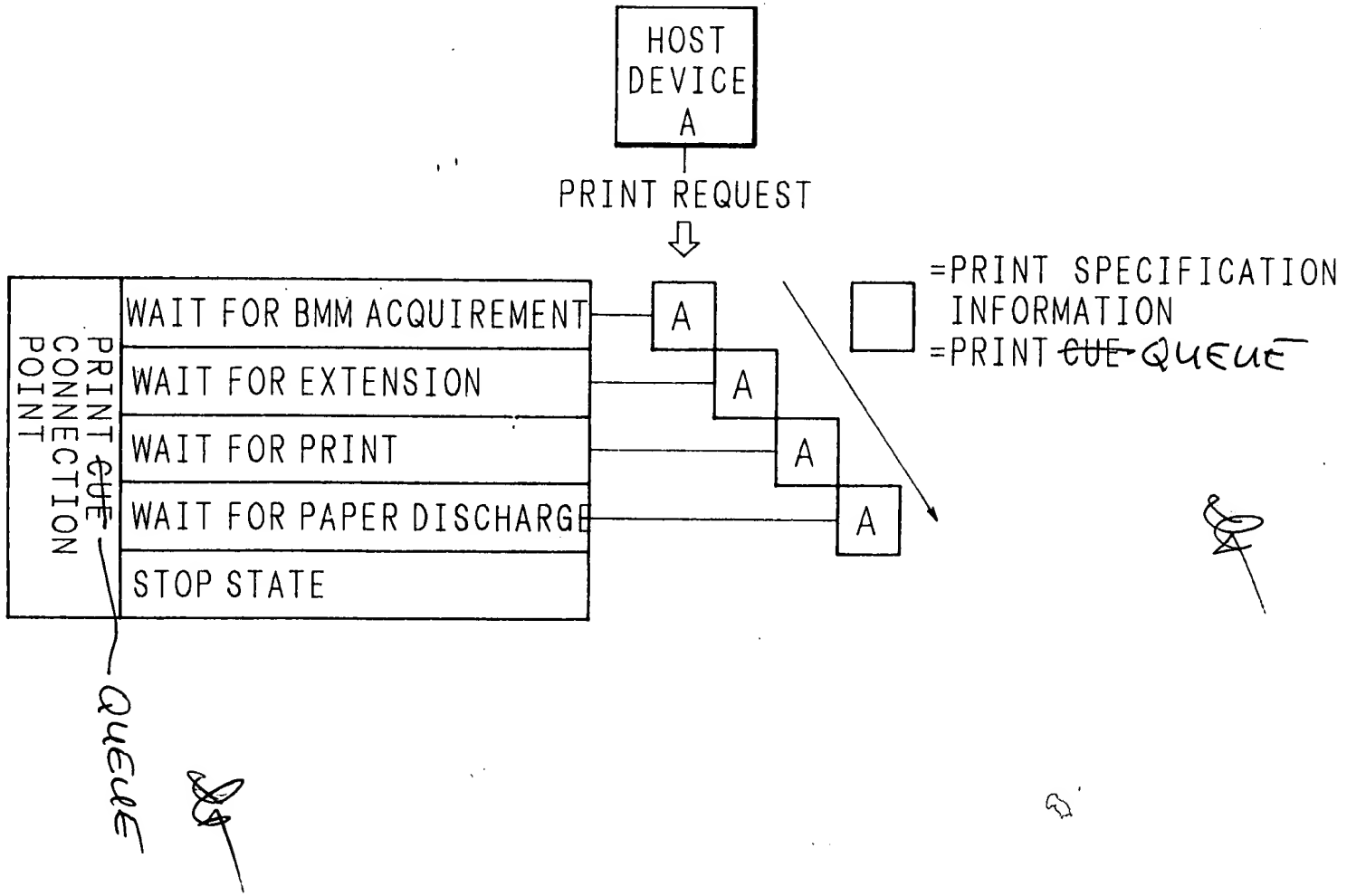

HOST DEVICE A
PRINT REQUEST
=PRINT SPECIFICATION INFORMATION
=PRINT ~~CUE~~ QUEUE
PRINT ~~CUE~~ CONNECTION POINT
WAIT FOR BMM ACQUIREMENT
WAIT FOR EXTENSION
WAIT FOR PRINT
WAIT FOR PAPER DISCHARGE
STOP STATE
A
A
A
A
QUEUE

FIG. 10A

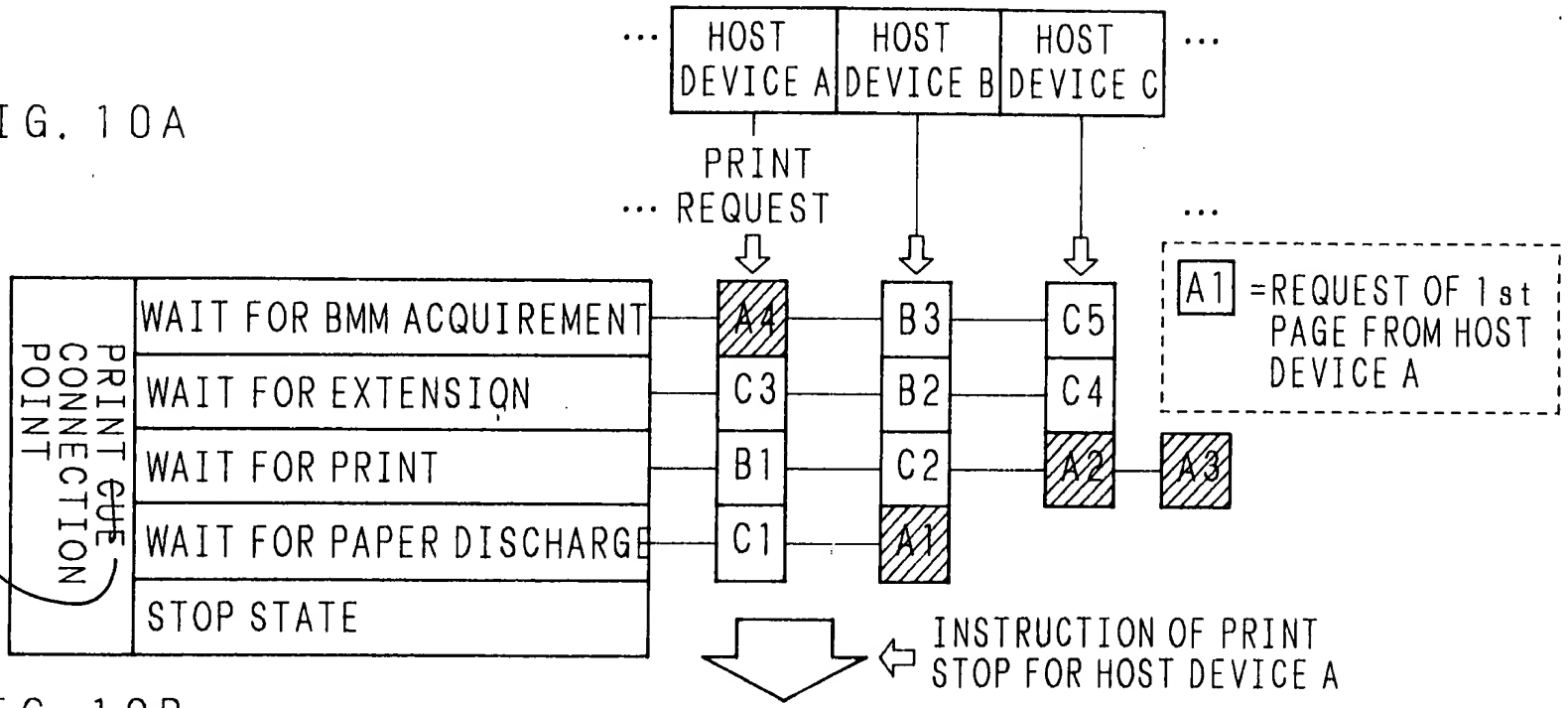


FIG. 10B

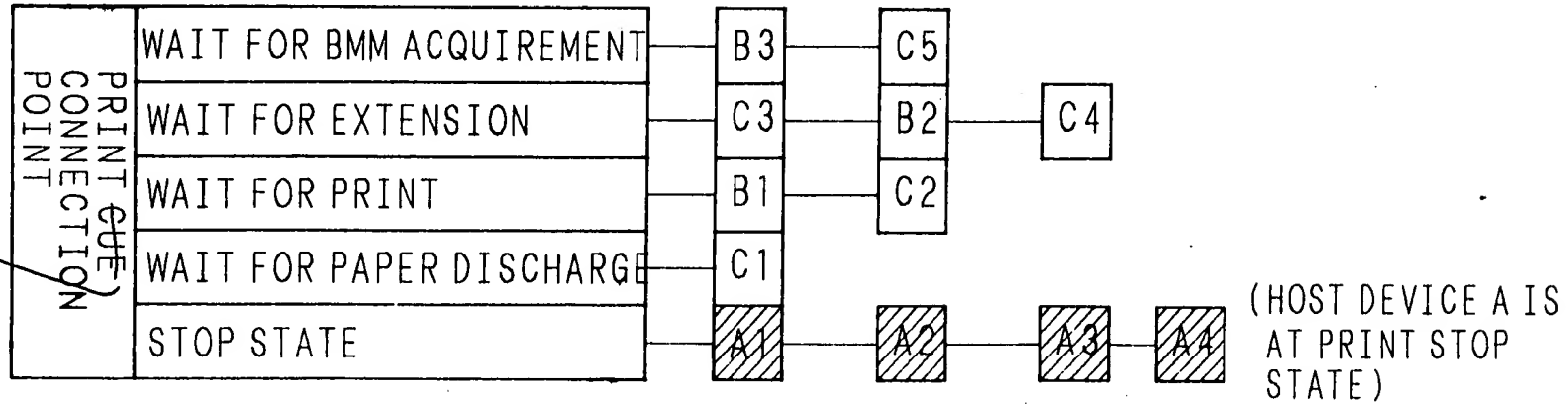


FIG. 10C

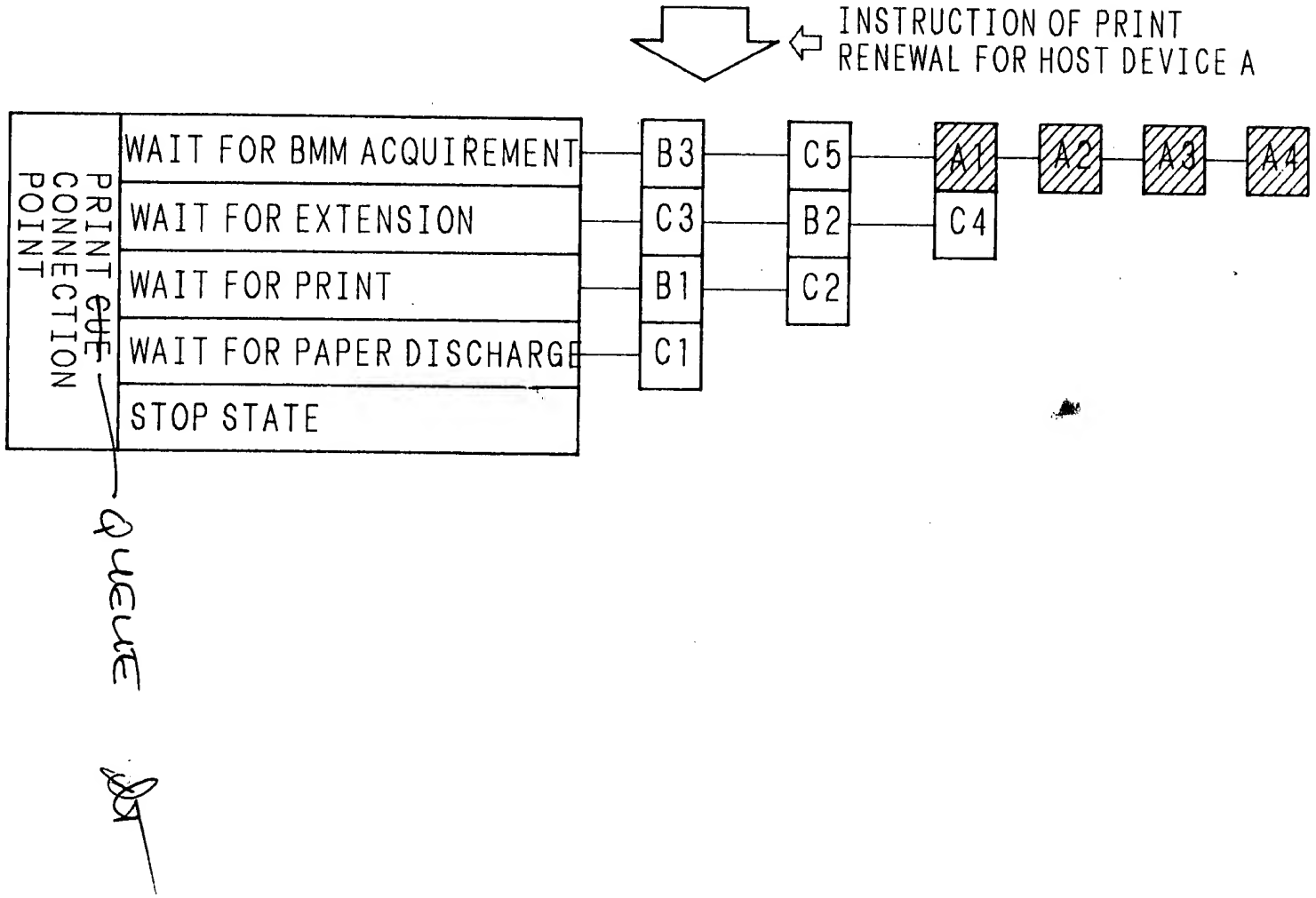

INSTRUCTION OF PRINT RENEWAL FOR HOST DEVICE A
PRINT QUE CONNECTION POINT
WAIT FOR BMM ACQUIREMENT
WAIT FOR EXTENSION
WAIT FOR PRINT
WAIT FOR PAPER DISCHARGE
STOP STATE
B3
C3
B1
C1
C5
B2
C2
A1
C4
A2
A3
A4
QUEUE

FIG. 11A

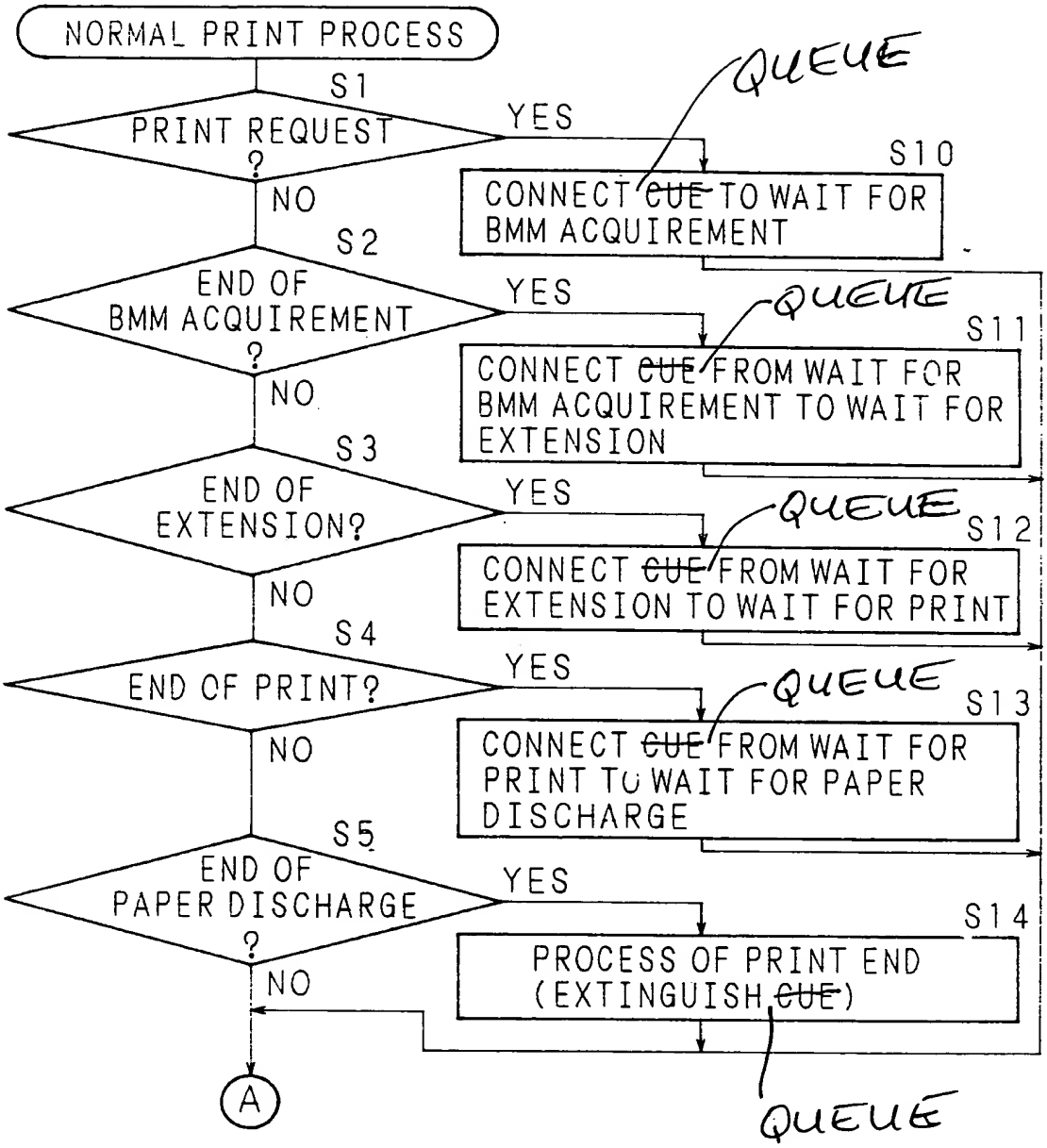

NORMAL PRINT PROCESS
S1
PRINT REQUEST ?
YES
NO
QUEUE
S10
CONNECT ~~CUE~~ TO WAIT FOR BMM ACQUIREMENT
S2
END OF BMM ACQUIREMENT ?
YES
NO
QUEUE
S11
CONNECT ~~CUE~~ FROM WAIT FOR BMM ACQUIREMENT TO WAIT FOR EXTENSION
S3
END OF EXTENSION?
YES
NO
QUEUE
S12
CONNECT ~~CUE~~ FROM WAIT FOR EXTENSION TO WAIT FOR PRINT
S4
END OF PRINT?
YES
NO
QUEUE
S13
CONNECT ~~CUE~~ FROM WAIT FOR PRINT TO WAIT FOR PAPER DISCHARGE
S5
END OF PAPER DISCHARGE ?
YES
NO
S14
PROCESS OF PRINT END (EXTINGUISH ~~CUE~~)
QUEUE
A

FIG. 12

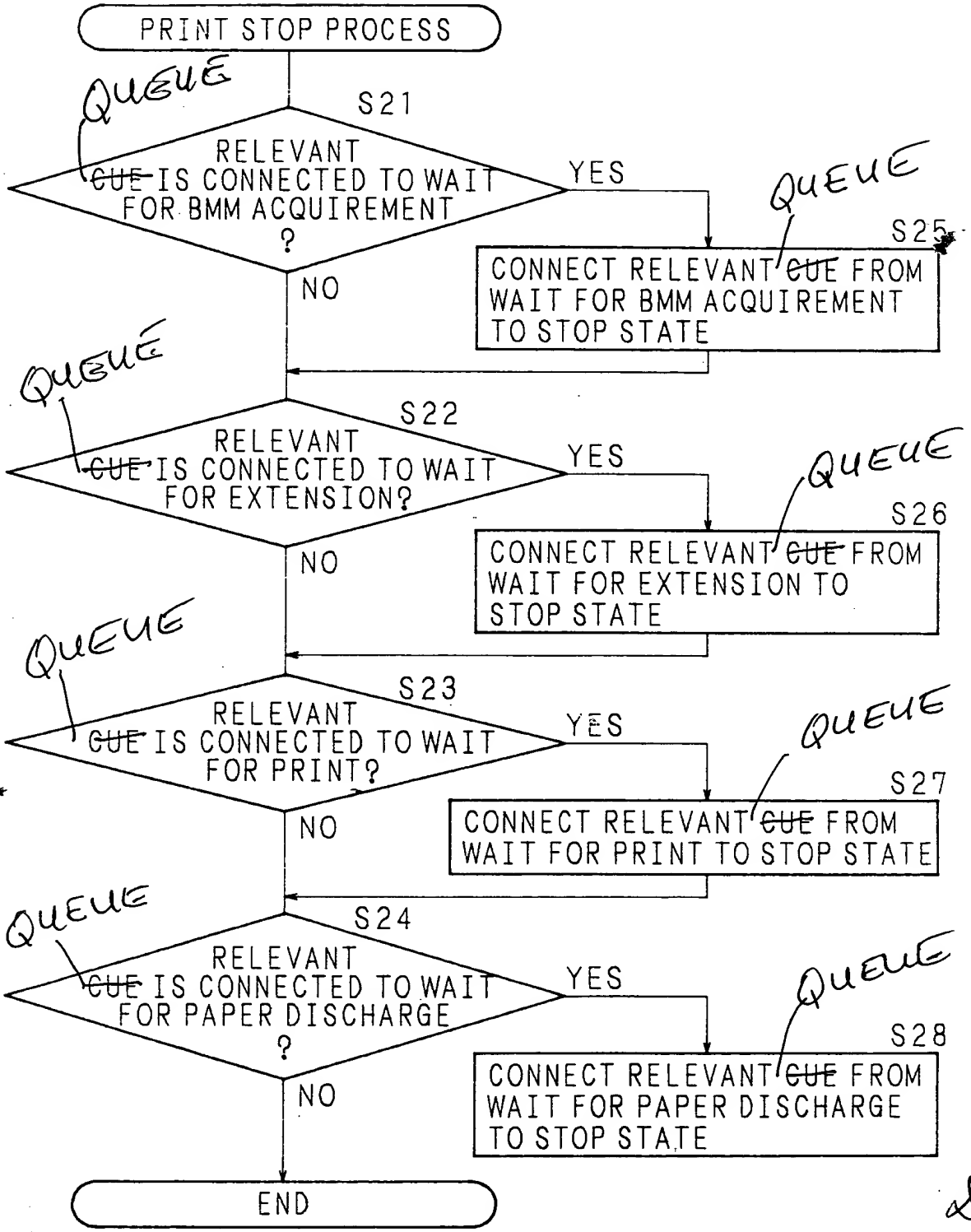

PRINT STOP PROCESS
QUEUE
S21
RELEVANT ~~CUE~~ IS CONNECTED TO WAIT FOR BMM ACQUIREMENT ?
YES
NO
QUEUE
S25
CONNECT RELEVANT ~~CUE~~ FROM WAIT FOR BMM ACQUIREMENT TO STOP STATE
QUEUE
S22
RELEVANT ~~CUE~~ IS CONNECTED TO WAIT FOR EXTENSION?
YES
NO
QUEUE
S26
CONNECT RELEVANT ~~CUE~~ FROM WAIT FOR EXTENSION TO STOP STATE
QUEUE
S23
RELEVANT ~~CUE~~ IS CONNECTED TO WAIT FOR PRINT?
YES
NO
QUEUE
S27
CONNECT RELEVANT ~~CUE~~ FROM WAIT FOR PRINT TO STOP STATE
QUEUE
S24
RELEVANT ~~CUE~~ IS CONNECTED TO WAIT FOR PAPER DISCHARGE ?
YES
NO
QUEUE
S28
CONNECT RELEVANT ~~CUE~~ FROM WAIT FOR PAPER DISCHARGE TO STOP STATE
END

FIG. 14C

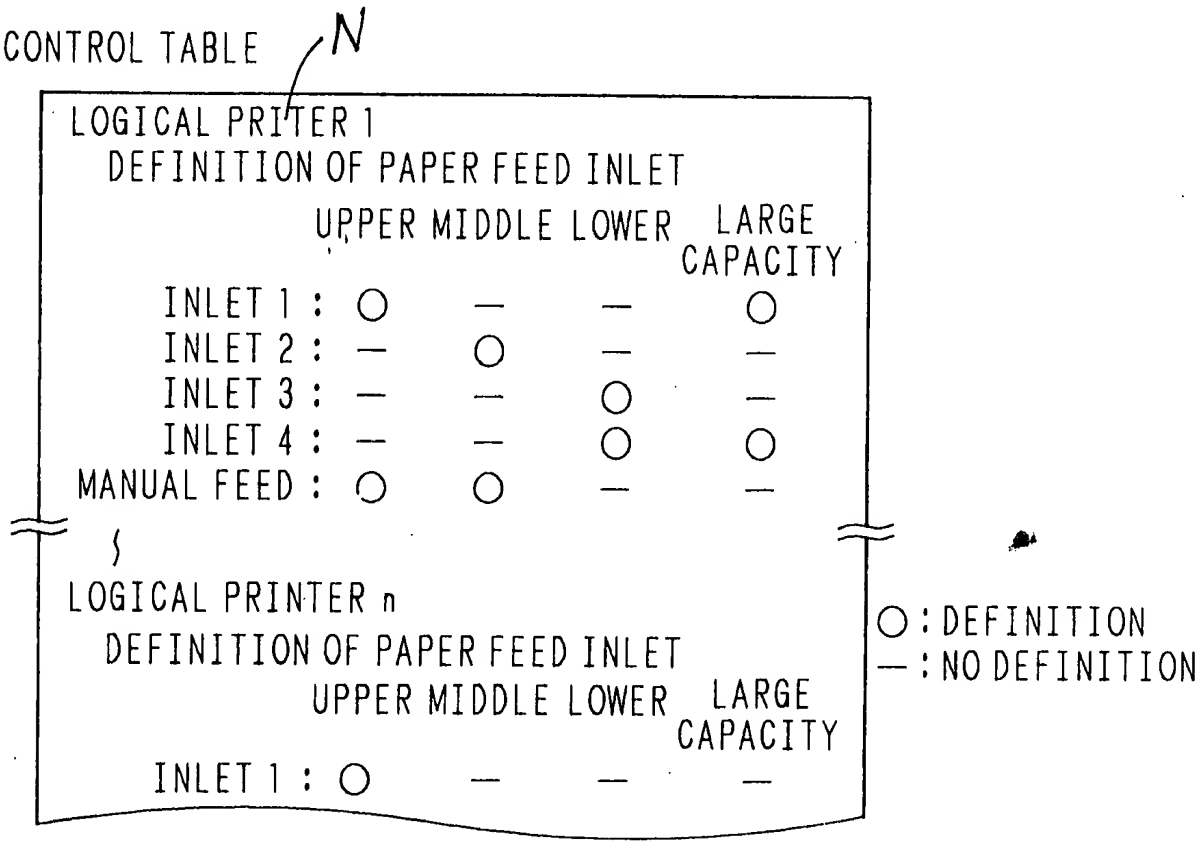
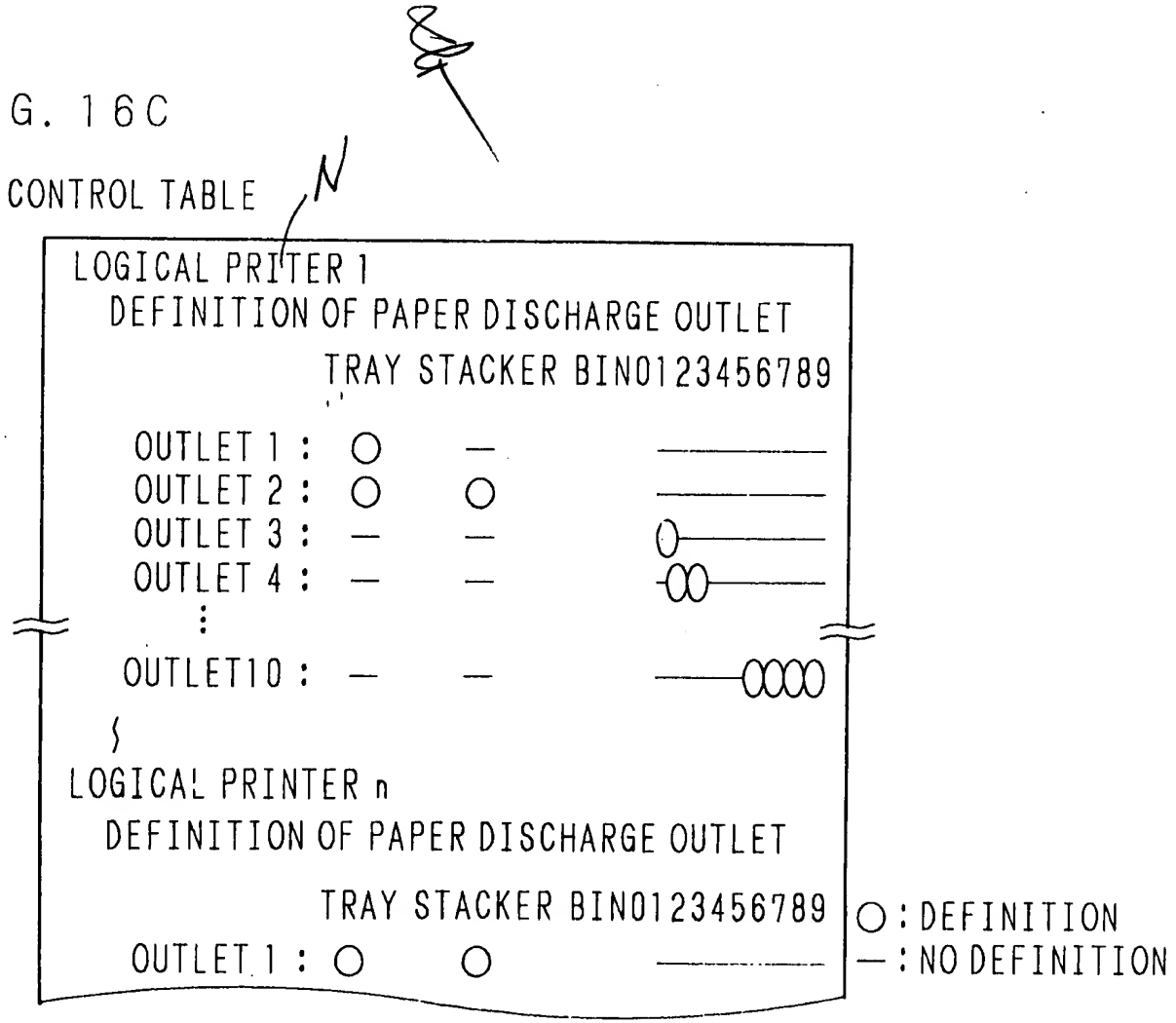

CONTROL TABLE
N
LOGICAL PRITER 1
DEFINITION OF PAPER FEED INLET
UPPER MIDDLE LOWER LARGE CAPACITY
INLET 1 : ○ — — ○
INLET 2 : — ○ — —
INLET 3 : — — ○ —
INLET 4 : — — ○ ○
MANUAL FEED : ○ ○ — —
LOGICAL PRINTER n
DEFINITION OF PAPER FEED INLET
UPPER MIDDLE LOWER LARGE CAPACITY
INLET 1 : ○ — — —
○ : DEFINITION
— : NO DEFINITION

FIG. 16C


CONTROL TABLE
N
LOGICAL PRITER 1
DEFINITION OF PAPER DISCHARGE OUTLET
TRAY STACKER BIN0123456789
OUTLET 1 : ○ — ————
OUTLET 2 : ○ ○ ————
OUTLET 3 : — — ————
OUTLET 4 : — — ————
OUTLET10 : — — ————
LOGICAL PRINTER n
DEFINITION OF PAPER DISCHARGE OUTLET
TRAY STACKER BIN0123456789
OUTLET 1 : ○ ○ ————
○ : DEFINITION
— : NO DEFINITION